

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
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APPLICATION NUMBER FILING/RECEIPT DATE FIRST NAMED APPLICANT ATTORNEY DOCKET NUMBER

09/892,825

06/27/2001

Raymond F. Ayala

NORTH-451A/A-2354

**CONFIRMATION NO. 4756** 

Date Mailed: 07/25/2001

**FORMALITIES LETTER** 

\*OC000000006342194\*

Terry J. Anderson, Esq. NORTHROP GRUMMAN CORPORATION 1840 Century Park East Los Angeles, CA 90067-2199

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
   A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);
  - Drawings must be in dark ink (not pencil), except where color drawings or photographs are permitted.

10/22/2001 SLUANG1 00000010 141325 09892825

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Initial Patent Examination Division (703) 308-1202
PART 2 - COPY TO BE RETURNED WITH RESPONSE

09-26-01



PTO/SB/21 (9-98)

plus sign (+) inside this box → +

09/892,825

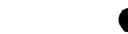
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**Application Number** 

TRA	NSMITTAL	Filing Date	06/27/01		
FORM  (to be used for all correspondence after initial filing)		First Named Inventor	Raymond F.	Raymond F. Ayala	
		Group Art Unit	Unknown	Unknown	
		Examiner Name	Unknown	Unknown	
Total Number of Pa	ges in This Submission 40	Attorney Docket Number	NORTH-451	A/A-2354	
		NCLOSURES (check all that apply)		<del></del> ,	
Fee Transmittal For Fee Attached Charge Any Ac Required, to D Account No. 14 Amendment/Respo After Final Affidavits/declar Extension of Time B Express Abandonm Information Disclos Certified Copy of Po Response to Missin Application Response to Mi 37 CFR 1.52 or 1	Iditional Fee Peposit	esignment Papers (for an Application) rawing(s) censing-related Papers etition Routing Slip (PTO/SB/69 and ecompanying Petition etition to Convert to a Provisional plication ower of Attorney, Revocation, Change of rrespondence Address erminal Disclaimer mall Entity Statement equest for Refund	Appeal Cor Appeals and Appeal Not (Appeal Not Proprietary Status Lette X Additional E (please iden	Enclosure(s)  atify below):  urn Postcard and Express	
	SIGNATUR	E OF APPLICANT, ATTORNEY, OR AG	ENT		
Firm or Individual Name Signature	Marlene Klein	X0;			
Date	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			·	
	CE	ERTIFICATE OF MAILING (Express)			
	correspondence is being deposite for Patents, Washington, D.C. 2	d with the United States Postal Service as 0231 on this date: September 25,		n envelope addressed to:	
Typed or printed name	Dawn L. Mangino				
Signature	Days L. Y	Man (in a)	Date	09/25/01	



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EE TRANSMITTAL for FY 2001		Complete if Known			
		Application Number	09/892,825		
		Filing Date	06/27/01		
Patent fees are subject to annual revision.		First Named Inventor	Raymond F. Ayala		
		Examiner Name			
- AMOUNT OF PAYMENT	(\$) 170.00	Group Art Unit			
AMOUNT OF FAIRLIN		Attorney Docket No.	NORTH-451A/A-2354		

METHOD OF PAYMENT	FEE CALCULATION (continued)				
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:  Deposit Account	3. ADDITIONAL FEES  Large Entity Small Entity Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid				
Number 14-1325  Deposit Account Name Northrop Grumman Corporation  X Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  Applicant claims small entity status. See 37 CFR 1.27	105 130 205 65 Surcharge - late filing fee or oath 127 50 227 25 Surcharge - late provisional filing fee or cover sheet 139 130 139 130 Non-English specification For filing a request for ex parte reexamination 112 920* 112 920* Requesting publication of SIR prior to Examiner action Requestion of SIR after Examiner action				
2. X Payment Enclosed: >>> via DEPOSIT ACCT.  □ Check □ Credit card □ Money Order X Other	Examiner action				
FEE CALCULATION  1. BASIC FILING FEE Large Entity Small Entity	120 310 220 155 Filing a brief in support of an appeal 121 270 221 135 Request for oral hearing 138 1,510 138 1,510 Petition to institute a public use				
Fee         Fee         Fee         Fee Description           Code (\$)         Code (\$)         Fee Paid           101         710         201         355         Utility Filing fee           106         320         206         160         Design Filing fee           107         490         207         245         Plant Filing fee           108         710         208         355         Reissue Filing fee           114         150         214         75         Provisional Filing fee	140   110   240   55   Petition to revive-unavoidable				
SUBTOTAL (1) \$	## applications  126 240 126 240 Submission of Information Disclosure    Statement				
EXTRA CLAIM FEES     Fee from     Extra Claims below Fee Paid	(37 CFR § 1.129(a)) 149 710 249 355 For each additional invention to be examined 179 710 279 355 Request for Continued Examination (RCE)				
Total Claims - 20** = X = Independent Claims - 3 = X = Multiple Dependent = =	169 900 169 900 Request for expedited examination of a design applicattion  Other fee (specify)				
Large Entity	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$ 170.00				

SUBMITTED BY:			Complete (if applicable)			
	Name (Print/Type)	Marlene Klein	Registration No. Attorney/Agent	43,718	Telephone	(949) 855-1246
	Signature	Marlene Kl			Date	09/25/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231

ATTORNEY DOCKET: NORTH-451A/A-2354

@40EMASSETTIFICATE OF Express Mailing under 37 CFR 1.8 or 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the
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> COMMISSIONER FOR PATENTS UNITED STATES PATENT AND TRADEMARK OFFICE Washington, D.C. 20231

September 25, 2001 on (Date) Dawn L. Mangino Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

- 1. TRANSMITTAL FORM of 1 page;
- 2.
- Fee Transmittal for FY 2001 (1 pg) (in duplicate); NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION of 2 3.
- 4. CORRECTED Drawings (18 pgs);
- DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION of 4 pages; 5.
- RECORDATION FORM COVER SHEET PATENTS ONLY Form PTO-1595 of 1 6. page with 1 ADDED SHEET (in duplicate);
- 7. 4 ASSIGNMENTS of 2 pages each; and
- 8. Return Postcard to acknowledge receipt.

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